AFM-30 30W FM Exciter/Transmitter

The AFM-30 has one of the industry's clean exciters and an ultra-low distortion modulator tor which go to make it a highly stable FM transmission system. Clean and market leading audio performance that will crush the competition.

- 1U 19" rack unit
- 3.9 inch TFT display
- Rotary encoder
- 0-30 W adjustable RF output
- FM receiver built-in
- Powerful ALC circuitry
- Remote interface
- Antenna fault protection
- Slow rising RF output
- RF Power timer
- Audio Squelch (10-999 sec)
- Password protection
- Real time Log
- Low RF, Low MPX, High temperature, High SWR, VCO lock alarms
- 10/50/100kHz tuning steps
- RDS built-in (opt.)
- Audio monitoring through TCP-IP, UDP (opt.)
- AES/EBU input (opt.)

TECHNICAL SPECIFICATIONS	
Frequency	87.5 -108 MHz
Modulation	FM, 75kHz peak (180KF3E/256KF8E)
PLL Tuning Steps	10/50/100 kHz
Audio input level	-3.5 to +12.5dBm @75kHz deviation
Ext. MPX input level	-3.5 to +12.5dBm @75kHz deviation
AUX input level	SCA, -12.5 to +3.5dBm @7.5kHz deviation
	RDS, -24 to -8 dBm @ 2kHz deviation
Modulation distortion	< 0.03%, @75kHz dev.
MPX input Freq. Response	± 0.1dB, 30Hz-100KHz
Pre-emphasis	0 (FLAT), 25,50,75 uS selectable
Rated RF output power	30W continuous
RF power ALC stability	±3
RF output connector	N type 50Ohm
Audio freq. response	30-15kHz, ±0.1dB
S/N Ratio, Mono operation	30-20kHz, >78dB
	CCIR, >81dB
S/N Ratio, Stereo operation	30-20kHz, >75dB
	CCIR, >80dB
Harmonic & spurious	<70dB harmonic, <80dB spurious
Power supply	Single phase, 90-264VAC, 50/60Hz
Power consumption @ 30W	40W max.
Efficiency	>75%
Operational temp. range	0 to 35°C (-10 to +45°C extreme)
Dimension (WxHxD)	483x44x375 mm
Weight	4,5 kg



Start
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